

Generic Units in the Heteropoda

BY

EUGENE COAN

Department of Biological Sciences, Stanford University
Stanford, California 94305

THIS IS THE THIRD in a series of three papers written as advance treatments for gastropod groups I am revising for the Treatise on Invertebrate Paleontology. These advance synopses have served to validate certain new names and type designations, to provide an opportunity for references to be given, and to enable other workers to criticize the revisions before their final publication in the Treatise.

The Heteropoda have been a particularly difficult group to review. Some of the literature has been hard or impossible to obtain. As well, this superfamily was not as completely covered by THIELE (1929) or by WENZ (1941) as were some of the other gastropod groups, and much time had to be spent in canvassing for generic names that pertain to the Atlantacea. The Heteropoda is a difficult group to study, as some of the forms seem to lack diagnostic characters; early authors often provided more confusion than they did enlightenment. Fortunately, TESCH (1949) has published a good review of the species which facilitated the present task, but he did not review the genera nor indicate their type species.

It is my intention here to assemble in compact form the data concerning the generic and familial units and to interpret the type species following the synonymies of TESCH (1949).

I have omitted mention of some genera that have been incorrectly assigned to this group from time to time, such as two genera apparently not mollusks at all (*Timoriensia* and *Monophora* of QUOY & GAIMARD) and various names that apply rather to larval prosobranchs, to pteropods, or to Paleozoic archaeogastropods.

CONVENTIONS AND ABBREVIATIONS

The conventions and abbreviations used here are, for the most part, those used in the Treatise on Invertebrate Paleontology.

The name of the type species is set off by an asterisk and square brackets ([*]); the form of type designation is then indicated by the abbreviations listed below.

The work where the associated taxon was named or subsequent designation made is indicated by a date and by a letter (if present). The numbers following such dates refer to the pages or plates in the work where the name or designation first appears. These works are listed in the bibliography in all cases.

If the name of the author of a species is not given, it is to be assumed that the species was first described by the author of the associated genus and in the same work. The type species are listed first as they were designated—originally or subsequently—with the exception that abbreviations are filled out and the names of the authors of the species have been added where they were lacking. This entry is often followed by the original combination of the species and by earlier synonyms.

Abbreviations are as follows:

- | | |
|--|--|
| (?) (before a generic name) | - position questioned |
| = | - synonym |
| <i>auctt.</i> (<i>auctores</i>) | - of authors |
| <i>err.</i> (<i>error</i>) | - error |
| <i>ex</i> | - from |
| in synon. | - a generic name proposed in the synonymy of another |
| M | - type fixed by monotypy |
| MS | - the manuscript of |
| <i>nom. correct.</i>
(<i>nomen correctum</i>) | - a name with an intentionally altered spelling of the sort allowed under the ICZN rules |
| <i>nom. nud.</i>
(<i>nomen nudum</i>) | - a name which, as originally published, fails to meet the requirements of the ICZN rules, and has no status in nomenclature |
| <i>nom. nov.</i> (<i>nomen novum</i>) | - a new name |
| <i>nom. null.</i> (<i>nomen nullum</i>) | - spelling error |
| (<i>nomen translatum</i>) | - a name derived by valid emendation of a previously published name as the re- |
| <i>nom. transl.</i> | |

- sult of transfer from one taxonomic category to another within the "family-level"
- nom. van.* (*nomen vanum*) - an invalid emendation, having no status in nomenclature
- non* - not of
- pro* - for
- OD - type fixed by original designation
- SD - type fixed by subsequent designation

ACKNOWLEDGMENTS

Dr. Myra Keen of the Geology Department of Stanford University provided advice on some particularly thorny taxonomic problems and helped me to obtain some scarce literature. Gratitude is also extended to Mrs. Florence Chu of the Interlibrary Loan Department of the Stanford Libraries, for I made a great many requests in obtaining the necessary volumes. Aid in obtaining some works was also provided by Dr. S. Stillman Berry of Redlands, California, Dr. Robert Robertson of the Academy of Natural Sciences of Philadelphia, and Dr. Leo G. Hertlein of the California Academy of Sciences. Larry Andrews of Palo Alto, California, helped with some proof reading, and Dr. Rudolf Stohler of the University of California at Berkeley aided in the final stages of preparation of the manuscript for publication.

Superfamily

ATLANTACEA WIEGMANN & RUTHE, 1832: 518,

nom. transl. PHILIPPI, 1853: 282 & 284, *ex* Atlantidae

= Carinariacea REEVE, 1842: 74,
nom. correct. TROSCHEL, 1856: 42, *ex* Carinariana

= Pterotracheacea GRAY, 1840: 148,
nom. transl. KEFERSTEIN, 1863: 850, *ex* Pterotracheidae

= Firolacea WIEGMANN & RUTHE, 1832: 518,
nom. transl. TROSCHEL, 1856: 43, *ex* Firolidae

Family ATLANTIDAE WIEGMANN & RUTHE, 1832: 518,
ex RANG, 1829: 123 (vernacular)

Atlanta LESUEUR, 1817c: 390 [*A. peronii*; SD GRAY, 1847: 149, no. 175]

= *Allanta* D'ORBIGNY, 1834: pl. 12 (*nom. null.*)
= *Atalanta* KNOCKER, 1869: 619 (*nom. null.*)
= *Atlantis* (ANON.), 1819: col. 41 (*nom. null.*)
= *Atlantis* CARPENTER, 1861: 241 (*nom. null.*)
= *Atlantidea* PILSBRY, 1922: 314 [**Atlanta rotundata* GABB, 1873: 201; SD WOODRING, 1928: 133]
= *Steira* ESCHSCHOLTZ, 1825: col. 735 [**S. lamanoni*; M]

Bellerophina D'ORBIGNY, 1843a: 466 & 1843b: 410 & pl. 236 [**B. vibrayei*; M]

= *Bellerophorina* GRAY, 1847: 164, no. 338 (*nom. null.*)

Eoatlanta COSSMANN, 1889: 297 & 380 [**Cyclostoma spiruloides* LAMARCK, 1804: 114; OD]

Oxygyrus BENSON, 1835: 173 [**O. inflatus*; M (= *Atlanta keraudrenii* LESUEUR, 1817c: 391)]

= *Oxygyrus* SIMROTH, 1907: 1044 (*nom. null.*)

= *Helicophlegma* D'ORBIGNY, 1835: 139 & 168 [**Atlanta keraudrenii* LESUEUR, 1817c; M]

= *Helicoplegma* GRAY, 1840: 147 (*nom. null.*)

= *Ladas* CANTRAINE, 1841: 37 [**L. keraudrenii* (LESUEUR) (= *Atlanta keraudrenii* LESUEUR, 1817c); M]

Protatlanta TESCH, 1908: 3 & 8 [**Atlanta lamanonii* SOULEYET, 1852: 371, *non* *Atlanta lamanoni* (ESCHSCHOLTZ, 1825: col. 735) (= *Atlanta souleyeti* SMITH, 1888: 43 [*nom. nov.*]); OD]

= *Protoatlanta* WENZ, 1941: 1015 (*nom. null.*)

Family CARINARIIDAE REEVE, 1842: 74,
nom. correct. TROSCHEL, 1856: 42 (as Carinariacea), *ex* Carinariana,
nom. transl. TRYON, 1883: 7 & 349, *ex* Carinariacea

Carinaria LAMARCK, 1801: 98 [**C. vitrea* (GMELIN) (= *Argonauta vitreus* GMELIN, 1791: 3368, no. 317-2; = *Patella cristata* LINNAEUS, 1767: 1260, no. 768); M]

= *Carinaire*, *auctt.* (*nom. null.*)

= *Carinaires*, *auctt.* (*nom. null.*)

= *Carinarius* MONTFORT, 1810: 2 (*nom. van.*)

= (?) *Campylonaus* BENSON, 1835: 176 (*nom. nud.*) (*non* GRAY, 1847: 149, no. 179 [Pteropoda])

= *Tithyonia* TIBERI, 1880: 46, *ex* CAVOLINI MS (in synon.)

Cardiapoda D'ORBIGNY, 1835: 139 & 154 [**C. pedunculata*; SD GRAY, 1847: 164, no. 334 (= *Pterotrachea placenta* LESSON, 1830: 253)]

- = *Cardiapus* D'ORBIGNY, 1842: 19 & 1846: 722 [Index] (*nom. null.*)
- = *Cardiophora* "D'ORBIGNY" SCUDDER, 1882: 60 (*nom. null.*)
- = *Cardiopoda* AGASSIZ, 1846: 65 (*nom. van.*)
- = *Carinairoida* SOULEYET, 1852: 351 [**C. placenta* (LESSON) (= *Pterotrachea placenta* LESSON, 1830); SD herein (first on list of two)]
- = *Carinaroida* SMITH, 1888: 25 (*nom. null.*)
- = *Carinaroides* DESHAYES, 1853: 61 (*nom. null.*)
- Pterosoma* LESSON, 1827 a: 414 & 1827 b: 282 [**P. plana*; M] (see CROSSE [1897])
- = *Aloysia* ISSEL, 1907: 174 [**A. phyllosoma*; M (= *Pterosoma plana* LESSON, 1827 a & 1827 b)]
- Family PTEROTRACHEIDAE GRAY, 1840: 148
- = *Fiolidae* WIEGMANN & RUTHE, 1832: 518, ex RANG, 1829: 120 (vernacular)
- Pterotrachea* FORSKÅL, 1775: 117 [**P. coronata*; SD GRAY, 1847: 163, no. 332]
- = *Pterotrachaea* CUVIER, 1817: 31 (*nom. null.*)
- = *Pterotrachia* NORMAN, 1888: 8, lines 183 - 184 (*nom. null.*)
- = *Anops* D'ORBIGNY, 1835: 139 & 149 (*non* BELL, 1833: 99) [**Fiola peronii* D'ORBIGNY, 1834: pl. 10, *non Pterotrachea peronii* LAMARCK, 1816: 13; M]
- = *Eupterotrachea* BONNEVIE, 1920: 11 [**E. hippocampus* (PHILIPPI) (= "*Pterotrachaea*" *hippocampus* PHILIPPI, 1836: 242); SD herein (first on list of three)]
- = *Euryops* TESCH, 1906: 83 & 88 (*non* COPE, 1884: 33) [**Pterotrachea* (*E.*) *mutabilis*; SD herein (first on list of three) (= "*Pterotrachaea*" *hippocampus* PHILIPPI, 1836)]
- = *Euryopsis* BONNEVIE, 1920: 8 (*nom. null.*)
- = *Fiola* BRUGUIÈRE, 1791: pl. 88 (genus without species) Original list provided by LESUEUR, 1817a: 6 - 7. [**F. mutica* LESUEUR, 1817 a: 6; SD herein (first on list of six)]
- = *Fiole*, *auctt.* (*nom. null.*)
- = *Heterodens* BONNEVIE, 1920: 10 [**H. gegenbauri* (VAYSSIÈRE) (= *Fiola gegenbauri* VAYSSIÈRE, 1904: 39); M (= *Pterotrachea scutata* GEGENBAUR, 1855: 185)]
- = *Hypterus* RAFINESQUE, 1814: 29 [**H. erythrogaster*; SD herein (second on list of two) (= *Pterotrachea coronata* FORSKÅL, 1775: 117)]
- = *Hyptere* GRAY, 1847: 163, no. 332 (*nom. null.*)
- = *Hypopterus* PHILIPPI, 1853: 284 (*nom. van.*)
- = *Pterophora* CHIAJE, 1825: 197, ex CAULINI (= CAVOLINI) MS (in *synon.*)
- Fioloida* LESUEUR, 1817 b: 37 [*"*Fioloides desmarestiana*"; SD GRAY, 1847: 163, no. 332 (= *F. demarestia* LESUEUR, 1817 b)]
- = *Fialoida* BINNEY, 1863: 558 (*nom. null.*)
- = *Fioloides* GRAY, 1847: 163, no. 332 (*nom. null.*)
- = *Fioloides* ADAMS & ADAMS, 1853: 95 (*nom. null.*)
- = *Fioloides* DESHAYES, 1830: 130 (*nom. null.*)
- = *Cerophora* D'ORBIGNY, 1835: 139 & 151 [**C. lesueurii* (D'ORBIGNY) (= *Fiola lesueurii* D'ORBIGNY, 1834: pl. 10); SD GRAY, 1847: 164, no. 333 (= *Fioloida demarestia* LESUEUR, 1817 b)]
- = *Ceratophora* GISTEL, 1848: viii (*non* GRAY, [1833 - 1835]: pl. 68) (*nom. null.*)
- = *Ceropleura* COSSMANN, 1895: 133 (*nom. null.*)
- = *Averna* GISTEL, 1848: viii (*nom. van.*)
- = *Demarestia* GRIFFITH & PIDGEON, 1834: 51 (*nom. nud., err. pro Fioloida demarestia* LESUEUR, 1817 b)
- = *Fiolella* TROSCHEL, 1855: 300, 305, & 311 [**F. gracilis*; SD herein (first on list of two) (= *Fioloida demarestia* LESUEUR, 1817 b)]

LITERATURE CITED

- ADAMS, HENRY, & ARTHUR ADAMS
1853-1858. The genera of Recent Mollusca, arranged according to their organization. London; 1: vi-xi, 1-484; 2: 1-661; 3: pls. 1 - 138 [Heteropoda: 2: 90 - 97 (August 1853)]
- AGASSIZ, JEAN LOUIS RODOLPHE
1846. Nomenclator zoologicus, continens nomina systematica generum animalium tam viventium quam fossilium, . . . Fasc. 12: Nomenclatoris zoologici, Index universalis, . . . Soloduri. i - viii + 1 - 393
- ANONYMOUS
1819. Uebersicht (Zoology section). Isis oder Encyclopädische Zeitung von Oken für 1819 1(1): cols. 40 - 45
- BELL, THOMAS
1833. Characters of two new genera of Reptilia. Proc. Zool. Soc. London for 1833 [Part 1] (8): 98 - 99 (10 Oct. 1833)
- BENSON, WILLIAM HENRY
1835. Account of *Oxygyrus*; a new genus of pelagian shells allied to the genus *Atlanta* of LESUEUR, with a note on some other pelagian shells lately taken on board the ship MALCOLM. Journ. Asiat. Soc. Bengal 4 (39): 173 - 176 (April 1835)
- BINNEY, WILLIAM GREENE
1863. Bibliography of North American conchology previous to the year 1860. Part I (American authors). Smithson. Inst., Washington. pp. i - iv + 1 - 650 (March 1863)
- BONNEVIE, KRISTINE ELISABETH HEUCH
1920. Heteropoda collected during the "Michael Sars" North Atlantic Deep-Sea Expedition 1910. Report on the scientific

- results of the "Michael Sars" North Atlantic Deep-Sea Expedition 1910 3 (2) : 1-17; pls. 1-5; text figs. A, B (28 Feb. 1920)
- BRONN, HEINRICH GEORG & WILHELM MORITZ KEFERSTEIN
1862-1866. Die Klassen und Ordnungen des Thier-Reichs wissenschaftlich dargestellt in Wort und Bild. Bd. 3 (Malacozoa). Abt. 2 (Malacozoa cephalophora). Leipzig & Heidelberg (C. F. Winter Verlag). Collated by means of Arch. Naturg.: pp. 523-650; pls. 45-49 - 1862 - BRONN & KEFERSTEIN
pp. 651-808; pls. 50-67 - 1863 - BRONN & KEFERSTEIN
pp. 809-852; pls. 68-70 - 1863 - KEFERSTEIN
pp. 853-1159(?); pls. 71-94 - 1864 - KEFERSTEIN
pp. 1160(?) - 1484; pls. 95-136 - 1865 - KEFERSTEIN
pp. 1485-1500 - 1866 - KEFERSTEIN
- BRUGUIÈRE, JEAN-GUILLAUME; JEAN BAPTISTE PIERRE ANTOINE DE MONET DE LAMARCK & JEAN BAPTISTE GEORGE MARIE BORY DE SAINT-VINCENT
1791-1827. Tableau encyclopédique et méthodique des trois règnes de la nature. Vers, coquilles, mollusques, et polypiers. Paris. i-viii + 1-180 + 1-16; pls. 1-488
issued in parts as follows:
pp. i-viii; 1-83; pls. 1-95 - 1791 - BRUGUIÈRE
pp. 85-132; pls. 96-189 - 1792 - BRUGUIÈRE (?)
pls. 190-286 - 1797 - BRUGUIÈRE & LAMARCK
pls. 287-390 - 1798(?) - LAMARCK
pp. 1-16; pls. 391-488 - 1816 - LAMARCK
pp. 83-84, 133-180 - 1827 - BORY DE SAINT-VINCENT
[compiled from DODGE, 1947, and SHERBORN & WOODWARD, 1906]
- CANTRAINÉ, FRANÇOIS JOSEPH
1841. Malacologie méditerranéenne et littorale, ou description des mollusques qui vivent dans la Méditerranée ou sur le continent de l'Italie. . . . Part I: 1-175; pls. 1-6 Nouv. Mém. Acad. Roy. Sci. Belles-Lettres Bruxelles 13 [Heteropoda: pp. 35-44; plt. 1]
- CARPENTER, PHILIP PEARSALL
1861. Lectures on Mollusca; or "shell-fish" and their allies. Ann. Reprt. Smiths. Inst. for 1860 (Senate Misc. Document 21), General Appendix: 151-283
- CHIAJE, STEFANO DELLE
1825. Memorie sulla storia e notomia degli animali senza vertebre del regno di Napoli 2. Naples. 1-4 + 185-444; pls. 1-29
- COPE, EDWARD DRINKER
1884. The Batrachia of the Permian period of North America. Amer. Naturalist 18 (1) : 26-39; pls. 2-5; 7 text figs. (Jan.)
- COSSMANN, ALEXANDRE ÉDOUARD MAURICE
1889. Catalogue illustré des coquilles fossiles de l'Éocène des environs de Paris. Ann. Soc. Roy. Malac. Belg. 24[(4)4] (Mémoires) : 3-381; pls. 1-12 (may have been issued 1890)
1895. Essais de paléoconchologie comparée, part 1: 1-159; pls. 1-7. Paris (February 1895) [Heteropoda: 132-135; part of pls. 6, 7]
- COX, LESLIE REGINALD
1942. Publication dates of *Traité Élémentaire de Conchyliologie* by G. P. Deshayes. Proc. Malacol. Soc. London 25 (3) : 94-95 (20 December 1942)
- CROSSE, JOSEPH CHARLES HIPPOLYTE
1897. Note sur le genre *Pterosoma* de Lesson. Journ. de Conchyl. 44 [(3) 36] (3) : 207-212 (25 May 1897)
- CUVIER, GEORGES LÉOPOLD CHRÉTIEN F. D.
1817. Mémoire sur l'haliotide, ou oreille de mer; sur le sigaret; sur le genre patelle et ses démembrements, savoir; la fissurelle, l'emarginule, la crepidule, la navicelle et le cabochon; enfin sur l'oscabron et la ptérotachée. In: Mémoires pour servir à l'histoire et à l'anatomie des mollusques. Paris (pp. 1-40; pls. 1-3 - paged separately)
- DESHAYES, GÉRARD PAUL
1830. Encyclopédie méthodique, histoire naturelle de vers 2 (2) : 1-144 (1830); 145-594 (1832). Paris
This work is collated in SHERBORN & WOODWARD, 1906
1839-1853. Traité élémentaire de conchyliologie, explication des planches. Paris.
This work is collated in Cox, 1942. It was issued as follows:
pp. 1-24 (1839); 25-48 (1850); 49-80 (1853)
- DODGE, HENRY
1947. The molluscan genera of Bruguière. Journ. Paleol. 21 (5) : 484-492 (September 1947)
- ESCHSCHOLTZ, JOHANN FRIEDRICH
1825. Über die zoologische Ausbeute während der Reise von Kronstadt bis St. Peter und Paul. Isis von Oken für 1825 1 (6) : cols. 733-747; plt. 5
- FORSKÅL, PETER [PETRUS]
1775. Descriptiones animalium: avium, amphibiorum, piscium, insectorum, vermium; quae in itinere orientale observit . . . Hauniae. pp. 1-164
- GABB, WILLIAM MORE
1873 (?). On the topography and geology of Santo Domingo. Trans. Amer. Phil. Soc. Philadelphia (2) 15 (4) : 49-259; 2 maps
- GEGENBAUR, CARL
1855. Untersuchungen über Pteropoden und Heteropoden. Ein Beitrag zur Anatomie und Entwicklungsgeschichte dieser Thiere. Leipzig (W. Engelmann) i-vi + 1-228; pls. 1-8
- GISTEL, JOHANNES VON NEPOMUK FRANZ XAVER
1848. Naturgeschichte des Thierreichs für Schulen. Stuttgart. i-xvi + 1-216; pls. 1-32 (+ 2 pp.) A discussion of this work may be found in IREDALE, 1918.
- GMELIN, JOHANN FREDERICH
1791. Systema naturae per regna tria naturae . . . Editio decima tertia, aucta, reformata 1 (6) : 3021-3910. Leipzig.
- GRAY, JOHN EDWARD
1830-1835. Illustrations of Indian zoology; chiefly from the collection of Major-General Hardwicke. London. 202 pls. in 2 vols.
1840. Synopsis of the contents of the British Museum. 42nd. edition. London. Information about this work is provided by IREDALE, 1913. [Mollusca: pp. 146-152; Heteropoda: pp.]

- 147-148. Another printing of this edition differed in pagination.]
1847. A list of the genera of Recent Mollusca, their synonyma and types. Proc. Zool. Soc. London for 1847 [Part 15] (178): 129-219 (November 1847)
[Heteropoda: pp. 148-149, 163-164]
- GRIFFITH, EDWARD & EDWARD PIDGEON
1834. The Mollusca and Radiata arranged by the Baron Cuvier with supplementary additions to each order. London (Whittaker & Co.). pp. i-viii + 1-601; pls. 1-40 + 1-20
- IREDALE, TOM
1913. A collation of the molluscan parts of the *Synopsis of the Contents of the British Museum, 1835-1845*. Proc. Malac. Soc. London 10 (4): 294-309 (28 March 1913)
1918. Molluscan nomenclatural problems and solutions. No. 1. Proc. Malacol. Soc. London 13 (1): 28-40 (9 Sept. 1918)
- ISSEL, RAFAELE
1907. Un nuovo genere di Molluschi Eteropodi raccolto dalla R. Nave Liguria (1903-05). *Monitore Zool. Ital.* 18 (7): 147-176; 1 text fig. (July 1907)
- KEFERSTEIN, WILHELM MORITZ
1863. see BRONN & KEFERSTEIN (1862-1866)
- KNOCKER, HUGH H.
1869. On pelagic shells collected during a voyage from Vancouver Island to this country. Proc. Zool. Soc. London 38 (for 1868) (3): 615-622 (March 1869)
- LAMARCK, JEAN-BAPTISTE PIERRE ANTOINE DE MONET DE
1801. *Système des animaux sans vertèbres, ou tableau général des classes, des ordres, et des genres de ces animaux; . . .* viii + 432 pp. Paris
1804. *Suite des mémoires sur les fossiles des environs de Paris*. Ann. Mus. Hist. Nat. Paris 4 (20): 105-115 (April 1804)
- LESSON, RENÉ PRIMEVÈRE
- 1827 a. Description d'un nouveau genre de mollusques nucléo-branche, nommé *Pterosoma*. Bull. Universel des Sci. II: 3 (3): 414-416; pl. 10 (October 1827)
- 1827 b. Description d'un nouveau genre de mollusque nucléo-branche nommé *Pterosoma*. Bull. Universel des Sci. II: Bull. Sci. Nat. et Geol. 12 (10): 282-283 [article 213] (October 1827)
1830. see 1830-1831
- 1830-1831. Voyage autour du monde, exécuté par ordre du Roi, sur la corvette de la majesté, La Coquille, pendant les années 1822, 1823, 1824, et 1825, . . . Zoologie 2 (1) [Reptiles, Fish, and Mollusks]. Paris (Arthus Bertrand). pp. 1-471 (1830); part of atlas (1831)
- LESUEUR, CHARLES ALEXANDRE
- 1817 a. Description of six new species of the genus *Firola*, observed by Messrs. LeSueur and Peron in the Mediterranean Sea, in the months of March and April, 1809. Proc. Acad. Nat. Sci. Philadelphia 1 (1): 3-8; 1 pl.
- 1817 b. Characters of a new genus, and descriptions of three new species upon which it is formed; discovered in the Atlantic Ocean, in the months of March and April, 1816; Lat. 22° 9'. Proc. Acad. Nat. Sci. Philadelphia 1 (3): 37-41; pl. 2 (July 1817)
- 1817 c. Mémoire sur deux nouveaux genres de mollusques, Atlante et Atlas. Journ. Phys. Chim. Hist. Nat. Arts 85 (Nov.): 390-392; pl. 2 (November 1817)
- LINNAEUS, CAROLUS
1767. *Systema naturae per regna tria naturae . . . Editio duodecima, reformata* 1 [Regnum animale] (2): 533-1327. Stockholm.
- MONTFORT, PIERRE DENYS DE
1810. *Conchyliologie systématique et classification méthodique des coquilles*. Paris, 2 vols.
1: i-lxxxvii + 1-409; 2: 1-676 + 1-16
- NORMAN, ALFRED MERLE
1888. *Museum Normanianum, or a catalogue of the Invertebrata of Europe, and the Arctic and North Atlantic Oceans, . . .*, No. 4-5 [Mollusca marina and Brachiopoda]. Durham (Thomas Caldaleugh). pp. 1-30 (not prior to 4 February 1888)
- D'ORBIGNY, ALCIDE DESSALINES
- 1834-1847. *Voyage dans l'Amérique Méridionale (. . .), exécuté pendant les années 1826, . . . et 1833 . . .* 5 (3) [Mollusques]. Paris. pp. 1-758; pls. 1-85. A collation of this work is to be found in SHERBORN & GRIFFIN, 1934. [Heteropoda: pp. 134-184; pls. 10-12 + 20 - pls. 10-12 (1834); pp. 134-176; pl. 20 (1835); pp. 177-184 (1836)]
1834. see 1834-1847
1835. see 1834-1847
1842. see 1842-1843
- 1842-1843. *Paléontologie Française, section I (Terrains Crétacés) 2 (Gastropoda)*. Paris. pp. 1-456; pls. 149-236, 236 bis in Atlas. A collation of this work is to be found in SHERBORN, 1899. [pp. 1-80 (1842); pp. 81-456 (1843)]
- 1843 a. *Considérations géologiques et géologico-géographiques sur l'ensemble des mollusques gastéropodes des terrains crétacés*. Bull. Soc. Geol. France (1) 14: 460-485
- 1843 b. see 1842-1843
1846. see 1834-1847
- PHILIPPI, RUDOLF AMANDUS
1836. *Enunerationio Molluscorum Siciliae cum viventium tum in tellure tertiaria fossilium quae in itinere suo observavit* 1. Berolini (Halis Saxonum). pp. i-xiv + 1-268; pls. 1-12
1853. *Handbuch der Conchyliologie und Malacologie*. Halle (Anton). pp. i-xx + 1-547
- PILSBRY, HENRY AUGUSTUS
1922. *Revision of W. M. Gabb's Tertiary Mollusca of Santo Domingo*. Proc. Acad. Nat. Sci. Philadelphia 73 (2): 305-436; pls. 16-47 (4-23 January 1922)
- RAFINESQUE-SCHMALTZ, CONSTANTINE SAMUEL
1814. *Précis des découvertes et travaux somiologiques de . . . C. S. Rafinesque-Schmaltz, entre 1800 et 1814, ou choix raisonné de ses principales découvertes en zoologie et en botanique, . . .* Palermo. pp. 1-55

RANG, PAUL KAREL SANDER LEONARD

1829. Manuel de l'histoire naturelle des mollusques et de leurs coquilles, ayant pour base de classification celle de M. le Baron Cuvier. Paris. pp. i - vi + 1 - 390; 1 table; 8 pls. (May 1829)

REEVE, LOVELL AUGUSTUS

1842. Classification of the lepadæ and conchiferous Mollusca. Proc. Zool. Soc. London for 1841 [Part 9] (104): 72 - 76 (March 1842)

ROBERTSON, ROBERT

1957. Publication dates of TROSCHEL's "Das Gebiss der Schnecken." The Nautilus 70 (4): 136 - 138 (April 1957)

SCUDDER, SAMUEL HUBBARD

1882. Nomenclator zoologicus. An alphabetical list . . . to the close of the year 1879. Part I: Supplemental list of genera in zoology. Bull. no. 19 of the U. S. Nat. Mus. pp. i - xix + 1 - 376

SHERBORN, CHARLES DAVIES

1899. On the dates of the "Paléontologie Française" of d'Orbigny. Geol. Mag. (n.ser. - decade 4) 6 (5) Art. 7: 223 - 225 (May 1899)

SHERBORN, CHARLES DAVIES & FRANCIS J. GRIFFIN

1934. On the dates of publication of the natural history portions of Alcide d'Orbigny's "Voyage Amérique méridionale." Ann. Mag. Nat. Hist. (10) 13 (73): 130 - 134 (Jan. 1934)

SHERBORN, CHARLES DAVIES & BERNHARD BARHAM WOODWARD

1901. Notes on the dates of publication of the natural history portions of some French voyages. Part I 'Amérique méridionale'; 'Indes orientales'; 'Pôle Sud' ('Astrolabe' and 'Zélée'); 'La Bonite'; 'La Coquille'; and 'L'Uranie et Physicienne.' Ann. Mag. Nat. Hist. (7) 7 (40): 388 - 392 (April 1901)
1906. On the dates of publication of the natural history portions of 'Encyclopédie Méthodique.' Ann. Mag. Nat. Hist. (7) 17: 577 - 582 (January 1906)

SIMROTH, HEINRICH RUDOLF

- 1896 - 1907. Die Klassen und Ordnungen des Tier-Reichs, wissenschaftlich dargestellt in Wort und Bild. (H. G. Bronn, ed.) Bd. 3 (Mollusca - Second ed.) Abt. 2 (Gastropoda), Buch 1 (Prosobranchia): 1 - 1056; pls. 1 - 63; 226 text figs.; 11 charts. Leipzig. [pp. 945 - 1056 - (1907)]

SMITH, EDGAR ALBERT

1888. Report on the Heteropoda collected by H. M. S. Challenger during the years 1873-76. Report on the scientific results of the voyage of H. M. S. Challenger during the years 1873-76, . . . Zoology 23 (5) [72]: 1 - 51; 5 figs.

SOULEYET, LOUIS FRANÇOIS AUGUSTE

1852. Voyage autour du monde exécuté pendant les années 1836 et 1837 sur la corvette La Bonite commandée par M. Vaillant. Zoologie 2 [Mollusques et Zoophytes]. Paris (Arthus Bertrand). pp. 1 - 664 [56 pls. in Atlas (1841 to

1852?)] [Heteropoda: pp. 289 - 392; pls. 16 - 23, 23 bis] 1901.

A collation of this work is available in SHERBORN & WOODWARD,

TESCH, JOHAN JACOB

1906. Die Heteropoden der Siboga Expedition. Siboga-Expeditie 51 (livr. 29): 1 - 112; 14 pls. (August 1906)

1908. Systematic monograph of the Atlantidae (Heteropoda) with enumeration of the species in the Leyden Museum. Notes from the Leyden Museum 31 (1) Note 1: 1 - 30; pls. 1 - 5 (30 June 1908)

1949. Heteropoda. The Carlsberg Foundation's Oceanographical Expedition round the world 1928 - 30 and previous "Dana"-Expeditions 6 [Dana Rept. 34]: 1 - 53; pls. 1 - 5; 44 text figs.

THIELE, JOHANNES

1929. Handbuch der systematischen Weichtierkunde. (Jena, Gustav Fischer, 1929 - 1935); 1154 pp.; 893 text figs. [Heteropoda: 255 - 259 - (1929)]

TIBERI, NICCOLA

1880. Cefalopodi, pteropodi, eteropodi viventi nel Mediterraneo e fossili nel terziario Italiano con aggiunte e correzioni. Bull. Soc. Malac. Ital. 6: 5 - 49

TROSCHEL, FRANZ HERMANN

1855. Zwei neue Heteropoden von Messina. Arch. für Naturgesch. 21 (1): 298 - 311; pl. 11

- 1856-1863. Das Gebiss der Schnecken zur Begründung einer natürlichen Classification untersucht . . . 1. Berlin. pp. i - viii + 1 - 252; pls. 1 - 20. ROBERTSON, 1957, presents a collation of this work. [pp. 42 - 43 were issued in 1856]

TRYON, GEORGE WASHINGTON, JR.

1883. Structural and systematic conchology: an introduction to the study of the Mollusca 2. Philadelphia. pp. 1 - 430; pls. 23 - 91

VAYSSIÈRE, ALBERT JEAN BAPTISTE MARIE

1904. Mollusques Hétéropodes provenant des campagnes des yachts Hironde et Princess-Alice (1885-1903). Résultats des campagnes scientifiques accomplies sur son yacht par Albert I^{er} Prince Souverain de Monaco . . . , fasc. 26: 1 - 65 + index; pls. 1 - 6; 1 table (30 May 1904)

WENZ, WILHELM

1941. In: SCHINDEWOLF, O. H., Handbuch der Paläozoologie, Bd. 6, Teil 1 (Allgemeiner Teil und Prosobranchia). Teil 5 (= Lief. 7): 961 - 1200; text figs. 2765 - 3416. Berlin. [Heteropoda: pp. 1014 - 1017] (October 1941)

WIEGMANN, AREND FRIEDRICH & JOHANN FRIEDRICH RUTHE

1832. Handbuch der Zoologie. Berlin. pp. i - vi + 1 - 621

WOODRING, WENDELL PHILLIPS

1928. Miocene mollusks from Bowden, Jamaica. Part 2: Gastropods and discussion of results. Carnegie Inst. Washington, Publ. 385: vii + 564 pp.; 3 figs.; pls. 1 - 40 (28 Nov. 1928)